

Abstract

A method and an apparatus includes using a planar
5 plotting mask which can continuously change a mask image;
continuously moving the planar plotting mask with
reference to the surface of the photocurable resin
composition and exposing the surface of a photocurable
resin composition to light by way of the planar plotting
10 mask while continuously changing a mask image of the
planar plotting mask in accordance with a cross-sectional
profile pattern of an optically-cured resin layer to be
formed and in synchronism with movement of the planar
plotting mask, to thus form an optically-cured resin
15 layer having a predetermined cross-sectional profile
pattern; and performing building operation such that
boundary areas among adjacent plotted areas in the
optically-cured resin layer become unnoticeable in a
finally-obtained stereolithographic three-dimensional
20 object.